

BIOSOLIDS MANAGEMENT REVIEW OF EMS PERFORMANCE

Owner: City of Fort Worth
Project: Long-Term Solids Dewatering, Processing and Disposal
Project #: PS46-070460300020
Contractor: REI Environmental, Inc.
Date: 04/05/10 **Time:** 1:00 P.M.

Present:	<u>Name</u>	<u>Representing</u>	<u>Name</u>	<u>Representing</u>
	Steve Nutter	City of Fort Worth	Stacy Walters	City of Fort Worth
	Gary LaGassey	City of Fort Worth	Loby Joseph	City of Fort Worth
	Ron Carlson	City of Fort Worth	Ben Davis	Renda Environmental Inc.
	Jerry Pressley	City of Fort Worth	Jonathan Russell	Half Associates Inc.

The fifth annual Biosolids Management Review of EMS Performance was conducted at Village Creek Wastewater Treatment Plant (VCWWTP). The review was conducted in accordance with EMS Element 17.0. The purpose of the meeting was to review the Fort Worth biosolids management program and the EMS performance in order to drive continual improvement.

Past Performance:

A summary of the past year's accomplishments and performance was given and is covered in a compilation of handouts for the Biosolids Operations Summary 2008-2009, Biosolids Costs 2008-2009, the 5 Year Contract Costs, Biosolids Program Complaint Summary, Corrective Action Notices 2008-2009 and Appendix 5a: Biosolids Goals & Objectives Summary – EMS Element 5.0. The compilation of handouts summarizes the biosolids program performance, biosolids production and reuse, goals and objectives, contractor performance, city oversight/inspections, monitoring and measurement results, legal requirements, emergency responses, public outreach, future plans in biosolids technology, and commitment toward continual improvement. Each topic in the handouts was briefly discussed in the meeting.

Goals and Objectives: *(Additions, Deletions and Revisions to Goals & Objectives Table – Appendix 5a)*

1. 100% Beneficial Reuse of Class A Biosolids:

Remove – *(Validate cost of land application program with other Beneficial Reuse methods – (NATIONAL SURVEY of CITIES))* Formal recommendation and final report completed in July 2009.

In Progress – *(Contract Renewal – (Last 5 Yr Extension))* Renewal Contract currently waiting approval from City Council

Under Review – *(Biosolids Program – (Marketing & Distribution))* Development of Marketing Plan and Charging for Biosolids is under review.

In Progress – *(Biosolids Program – Master Plan)* Needs to be accomplished in next 18-24 months

2. Comply with all Federal, State and Local Regulatory Requirements:

Remove – *(Construct Modifications on “Concrete Storage Pad”)* Construction of “Concrete Storage Pad” completed July 2009.

In Progress – *(Dewatering Facility Modifications (Additional Belt Filter Press))* - Project currently in construction phase.

3. Increase Public Awareness and Participation:

In Progress – *(Expand Relationships with Extension Agencies)* continuing to develop.

In Progress – *(Establish a marketing strategy for Local County Opportunities for Biosolids)* continuing to develop.

In Progress – *(Establish a relationship with local Future Farmers of America (FFA))* Continuing to develop.

*Each item is under review. Steve Nutter recommends removing all three items from “Increase Public Awareness and Participation” and replace with a more concise public awareness goal or objective. Possible

recommendation is to restructure current EMS and require a targeted outreach to an organization who is directly impacted by the biosolids program (ranchers, farmers, etc.)

4. Improve Biosolids Quality:

In Progress – (*Establish Digester Cleaning Program to remove rags and other inorganic material that have accumulated prior to fine screen implementation (14 Digesters)*) – Began digester #13 in March 2009 and completed cleaning on December 2009. Digester #13 will be placed back in service after contractor provides repairs needed found after cleaning.

Remove – (*Equalization Basin – Clean-Out*) - Cleaning completed in July 2009.

Steve Nutter (Biosolids EMS Manager) and Halff Associates Inc. will make the proposed changes to Goals and Objectives Summary Table (EMS Element 5.0, Appendix 5a). The table will then be distributed for additional comments before being incorporated into the EMS Manual.

EMS Audit Results:

The 2009 Biosolids EMS (YR3) Interim Audit was held on June 23-24, 2009. The Fort Worth Biosolids Program had the option to use the internal audit as the interim audit this year, and the NBP approved this option. A total number of nine (9) Corrective Action Notices (CANs) were recorded. As of this management review meeting, five (5) CANs have been addressed, one (1) CANs have been started and three (3) have had no corrective action. . All CANs will be completed before the application for the next year's audit is submitted to the NBP.

TPDES Plant Permit:

The TPDES Permit No. WQ0010494013 (TX0047295) for the Village Creek Waste Water Treatment Plant remains in effect and all permit requirements and parameters for sludge/biosolids were met this past year. The current permit was issued on November 28, 2006, and will expire on September 1, 2011.

Emergency Actions and Responses:

After a year and traveling over 1,000,000 miles without a biosolids spill, a small amount of biosolids was spilled on July 29, 2009 when an REI truck overturned into a ditch and spilled 5 (five) cubic yards of Class A biosolids. The 40-acre site which the truck overturned on is City of Fort Worth property and an approved Class A biosolids disposal site. The driver suffered no injuries and the material was spread across the field, completing the clean up.

Village Creek's emergency response plans (last updated on 06/19/07) are part of the Contractors (REI) emergency response plans. REI updated and modified their emergency action plans for their operations and activities on (02/17/09).

Complaints:

Two more complaints were received in 2009 than were reported in 2008. Only four (4) complaints were reported. Two (2) complains referred to "odor" as an issue. At both site visits no evidence was found to support the complaints. The other two (2) complaints were in regards to concern of possible run-off to pond on adjacent property. Again, at both site visits no evidence was found to support the complaints.

Corrective Action Notices:

All CANs are associated with the Biosolids EMS (YR4) Interim audit as previously discussed.

Public Participation:

The annual Biosolids Public Forum was held on December 8, 2009 to present information and statistics on the Fort Worth Beneficial Reuse of Biosolids Program, and to obtain public opinion and comments in accordance with the goals and objectives. The meeting was scheduled during the daytime to receive better public participation. Other outreach

methods being considered are (1) investigating the possibility of setting up an information booth at local county fairs, which will provide biosolids information and data to the public in our surrounding communities.

Please review these minutes. Should you find a discrepancy or omission, please notify the Resident Engineer in writing within ten days of memorandum date. Following that date the minutes will stand as shown or corrected.

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